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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,183	06/08/2006	Peter J. Milner	BKR-26802/01	1542
25006 7590 07/21/2008 GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C PO BOX 7021			EXAMINER	
			PANG, ROGER L	
TROY, MI 48007-7021			ART UNIT	PAPER NUMBER
			3681	
			MAIL DATE	DELIVERY MODE
			07/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Commence	10/579,183	MILNER, PETER J.				
Office Action Summary	Examiner	Art Unit				
	Roger L. Pang	3681				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	-· action is non-final.					
<i>,</i> —	-					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
		3 3.3.2.3.				
Disposition of Claims						
 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examiner						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the o	• , ,	· ,				
Replacement drawing sheet(s) including the correcti		• •				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8-14-06. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:						

DETAILED ACTION

The following action is in response to application 10/579,183 filed on June 8, 2006.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. With regard to claim 1, on line 7, the limitation of "the curved surface" lacks antecedent basis.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Milner '417. With regard to claim 1, Milner teaches a continuously variable transmission device of the type having planetary members 25 in rolling contact with radially inner 26a/26b and outer 23a/23b races each comprising axially spaced relatively axially movable parts, and control means 48 for determining the axial separation of the parts of one of the two races, in which the planets are connected for drive transmission to an input 11 or output member 22 of the transmission device by connection means which allows the radial position of the planets to vary in response to

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variation in the axial separation of the parts of the said one of the two races, and in which the generatrix of the curved surface of at least one of the races and/or the planets is non-circular (Fig. 8). With regard to claim 2, Milner teaches the device, in which the generatrix of the curved surface of at least one of the races and/or the planets is discontinuous (Fig. 8). With regard to claim 3, Milner teaches the device, in which at least part of the generatrix of the curved surface of a least one of the races and/or the planets is a volute, involute or evolute curve (Fig. 8). With regard to claim 4, Milner teaches the device, in which at least one part of the generatrix of the curved surface of at least one of the races and/or the planets is more sharply curved than at least one other part (Fig. 8).

Claims 1, 3, and 5-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Milner '256. With regard to claim 1, Milner teaches a continuously variable transmission device of the type having planetary members 21 in rolling contact with radially inner 36/37 and outer 13/14 races each comprising axially spaced relatively axially movable parts, and control means 10 for determining the axial separation of the parts of one of the two races, in which the planets are connected for drive transmission to an input 30 or output member 29 of the transmission device by connection means which allows the radial position of the planets to vary in response to variation in the axial separation of the parts of the said one of the two races, and in which the generatrix of the curved surface of at least one of the races and/or the planets is non-circular (Fig. 1). With regard to claim 3, Milner teaches the device, in which at least part of the generatrix of the curved surface of a least one of the races and/or the planets is a volute, involute or evolute curve (Fig. 1; Fig. 5). With regard to claim 5, Milner teaches the device, in which the said

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control means include two adjustment members 13/14 interengaged by helical interengagement means 15 such that relative turning motion of one of the adjustment members results in relative axial displacement between the two adjustment members (Fig. 1). With regard to claim 6, Milner teaches the device, in which the connection means between the planets and a planet carrier comprises a connector plate having a plurality of slots, having at least a radial component, within each of which a part of a respective planet is engaged (Fig. 1). With regard to claim 7, Milner teaches the device, in which the said slots are inclined to a radial line passing through the slot in such a way as in use to apply or have applied thereto a force having both a radial and a circumferential component (Fig. 1; Fig. 6). With regard to claim 8, Milner teaches the device, in which the said radially inner and outer races are located within a fixed housing and one or other of the said races is rotatable with respect to the housing by the input or output shaft of the transmission device (Fig. 1). With regard to claim 9, Milner teaches the device, characterized by having a fixed ratio epicyclic gear in the drive train to its output drive member and/or from its input drive member (Fig. 1). With regard to claim 10, Milner teaches the device, in which the two parts of the radially outer race and/or the radially inner race are interconnected by means of a helical coupling, with rolling elements between the two parts to reduce friction (Fig. 1).

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Milner '250, Ito, Kashihara, Okabe, Chery, Schottler, Kreizer, and Ali have been cited to show similar transmissions.

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FACSIMILE TRANSMISSION

Submission of your response by facsimile transmission is encouraged. The central facsimile number is (571) 273-8300. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check.

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(Signature)

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L. Pang whose telephone number is 571-272-7096. The examiner can normally be reached on 5:30am to 4:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Roger L Pang/ Primary Examiner, Art Unit 3681

> Roger L Pang Primary Examiner Art Unit 3681

July 18, 2008